

## PROJECT ADMINISTRATION DATA SHEET



ORIGINAL



REVISION NO. \_\_\_\_\_

Project No. E-21-695 R5957-OAOGTRC ~~XXX~~DATE 6 / 20 / 85Project Director: Dr. M. H. HayesSchool/ ~~XXB~~

EE

Sponsor: GTE Laboratories Incorporated, 40 Sylvan Road, Waltham, MA 02254Type Agreement: Agreement No. GTE850521Award Period: From 1/1/85 To 9/30/85 (Performance) 9/30/85 (Reports)

Sponsor Amount:

76-91-85  
This Change

Total to Date

Estimated: \$ \_\_\_\_\_

\$ \_\_\_\_\_

Funded: \$ 18,239\$ 18,239

Cost Sharing Amount: \$ \_\_\_\_\_

Cost Sharing No: \_\_\_\_\_

Title: Industrial Undergraduate Research Participation Program

## ADMINISTRATIVE DATA

OCA Contact R. Dennis Farmer

x-4820

1) Sponsor Technical Contact:

2) Sponsor Admin/Contractual Matters:

Dr. John F. AmbroseDirector of External Technical AffairsGTE Laboratories, Inc.40 Sylvan RoadWaltham, MA 02254(617) 890-9200

Defense Priority Rating: \_\_\_\_\_

Military Security Classification: \_\_\_\_\_

(or) Company/Industrial Proprietary: \_\_\_\_\_

## RESTRICTIONS

See Attached \_\_\_\_\_ Supplemental Information Sheet for Additional Requirements.

Travel: Foreign travel must have prior approval - Contact OCA in each case. Domestic travel requires sponsor approval where total will exceed greater of \$500 or 125% of approved proposal budget category.

Equipment: Title vests with None proposed.

## COMMENTS:

## COPIES TO:

SPONSOR'S I. D. NO. 02,206,000.85,004Project Director  
Research Administrative Network  
Research Property Management  
AccountingProcurement/EES Supply Services  
Research Security Services  
Reports Coordinator (OCA)  
Research Communications (2)GTRC  
Library  
Project File  
Other Jones/M. Clements

SPONSORED PROJECT TERMINATION/CLOSEOUT SHEETDate 12/16/85Project No. E-21-695School/XXX EEIncludes Subproject No.(s) N/AProject Director(s) M. H. HayesGTRC XXXSponsor GTE Laboratories IncorporatedTitle Industrial Undergraduate Research Participation ProgramEffective Completion Date: 10/31/85 (Performance) 10/31/85 (Reports)

## Grant/Contract Closeout Actions Remaining:

☐ None☒ Final Invoice or Final Fiscal Report☐ Closing Documents☐ Final Report of Inventions☐ Govt. Property Inventory & Related Certificate☐ Classified Material Certificate☐ Other \_\_\_\_\_

Continues Project No. \_\_\_\_\_

Continued by Project No. \_\_\_\_\_

## COPIES TO:

Project Director  
Research Administrative Network  
Research Property Management  
Accounting  
Procurement/GTRI Supply Services  
Research Security Services  
Reports Coordinator (OCA)  
Legal Services

Library  
GTRC  
Research Communications (2)  
Project File  
Other Mildred

Jones

## FINAL REPORT: 1985 IURP Program

*Monson H. Hayes  
School of Electrical Engineering  
Georgia Institute of Technology  
Atlanta, GA. 30332*

Having spent two weeks at GTE Laboratories with the 1985 Industrial Undergraduate Research Program, I was fortunate in having the opportunity to meet with and talk to many of the IURP participants and their Principal Investigators. As my impressions were last year, I again am very impressed with the manner in which the IURP program is organized and run. Almost without exception, the overall feeling and attitude of the students was positive. The projects they were working on were both exciting and challenging and all were grateful for the opportunity to experience working on *real problems*. Many were surprised to find out that all of the courses they took in school only served to *prepare* them for work in an industrial environment and that the solutions to the problems they were working on and the answers to questions which arose could not be found in any book. So I think that the summer at the Laboratories, for most, was a humbling experience.

In spite of all of these positive aspects of the program, there were a few problems associated with the housing which I list in the following paragraph. Following are some ideas I had for improving the IURP next year.

### *I. Problems:*

As you are probably well aware, there were several problems with the housing at Bentley College. The first problem, which was corrected after a short period of time, was transportation into the city. The solution was a Bentley shuttle bus which did allow for students to get to and from the city. However, there seemed to be more travel constraints placed on their



travel than there were at Tufts last year.

Another problem which bothered many of the students was the lack of phones in the dorm. I believe that at Tufts there was a Resident Manager who (24 hours a day) would receive telephone messages. This was apparently not possible at Bentley. As a result, several of the students paid to have phones installed in their room.

Finally, unlike the situation at Tufts, the Project Directors were isolated from the students. I always felt a little uncomfortable getting off the bus and walking to a different dormitory than the students. The separation minimized the potential for student/Project Director interaction and made social activities such as an evening game of ping pong or volleyball much more difficult. All of the spontaneity was gone since one had to make plans at dinner.

## *II. Suggestions for Improvement*

During the course of my stay at GTE I developed a few ideas which I believe will improve the IURP program. The first few suggestions were a response to my being asked the same question over and over again by the students I spoke with at the Laboratory. This question was: *What are you doing here?* It soon became apparent that very few of the IURP students knew what the role of the Project Directors was. For example, none of them knew that they could come to us with problems and suggestions or that they could call upon us freely for help and advice. What I feel would help the students next year are the following:

1. Let each student know what the role of the Project Directors is.
2. Give each student a list containing the following information
  - (a) Project Director name and University
  - (b) Project Director's area of interest and specialization
  - (c) Dates Project Director will be at the Lab.
3. Give the room number in the Lab where the Project Directors may be found if any student

wants to seek some help or advice.

My last suggestion concerns the application procedure. In talking with the students, many of them believed that the project descriptions were far too brief and felt that they had no idea what type of project they were selecting when they are asked to rank order their top choices for projects to work on. If possible, it would be helpful to the applicants if more information could be provided in the project descriptions in the application forms to make it easier (and less risky) to prioritize their preferences for projects.

### *III. Final Remark*

I would like to close by thanking everyone at GTE Laboratories for the opportunity to help in the IURP Program. I thoroughly enjoyed all aspects of the program and hope to be able to participate in it again.